from:
MAMIYA
OSAWA CAMERA SERVICE INC.
65-35 QUEENS BLVD. WOODSIDE, N.Y. 11377

SEIKOSHA

SHUTTER DESIGN CHANGES:

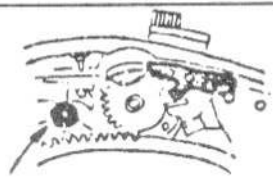
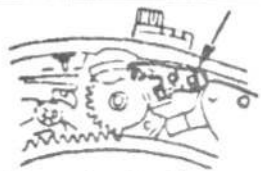
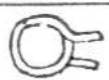
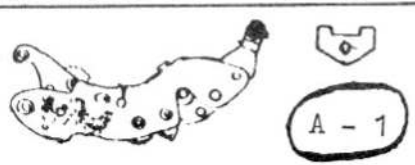
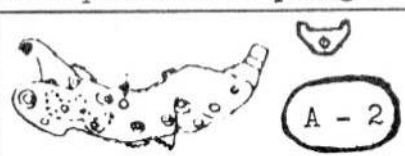
INTERNAL PARTS

There are currently 2 shutters for Mamiya C-Cameras, Chrome and black. The designs of these shutters have been changed, and the main parts, the slow speed governor, main drive spring and the speed ring have been changed. These new parts are not interchangeable.

Standard slow speed governor 1103000(#35) remains the same and will be available for an indefinite time.

Slow speed governor with pin used on press camera 100 mm lens for press focus lever will be available until stock runs out in Tokyo. The number is 114-3000. The #35 can be used as replacement, but press focus lever cannot be used.

Please note differences of shutter blades on shutters looking at the taking lens from front to rear. In each column is shown the parts which fit with each shutter and which numbers to use when ordering these parts.

COMBINATION 'A'	COMBINATION 'B'	COMBINATION 'C'
Looking inside shutter- screw is used at position arrow points. If screw is used- Gear Trains #730-3028 & 736-3028 cannot be used on this shutter.	 Looking inside shutter- E-Ring is used at position arrow points.	 Looking at shutter- note shape of stopper which is riveted on - not held on by a screw. This is different from stopper in Comb. 'A' & 'B' Shutters.
 110-2013 Main Drive Spring used on combination 'A' shutter only. NOTE position of prongs.	730-2013 Main Drive Spring is used on both combination 'B' & 'C' shutters only. NOTE position of prongs.	#730-2013 Main Drive Spring used on Combinations 'B' & 'C' shutters
		730-3028

#1103028

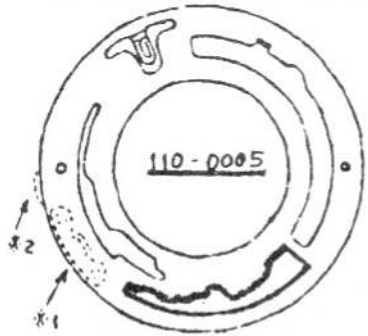
#114-3028 W/pin for press lens.

Angle "A-1" - Gear Train with this angle only; can be used with combination 'A'

#736-3028 #730-3028
This gear train in some shutters in U.S.A. - but now discontinued. Standard # 35 gear train can be used as replacement but it is very difficult to adjust speeds.

Angle "A-2" - is only found in this gear train.

Only 730-3028 Gear Train is used.
#736-3028 is same gear train W/pin for press focus lever on Press Lenses.
The "Pin" is actually a gear.

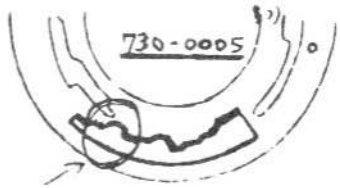


Speed Ring # 110-0005 comes 3 ways.
110-0005 - Flat

All three can be used with combination 'A' or 'B' Shutters.

138-0005 has extra part on flat side as per arrow #1

125-0005 has extended arm as per arrow #2



#730-0005 Speed Ring
Note difference in grooves for speeds as compared with #110-005 speed ring as used on Comb. 'A' shutter.
Cannot be used on Comb. 'A' or 'B' shutters.

Circled position is 1/125th of a Sec.